

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA2004/000992

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G05B23/02 B21B38/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05B G07C G01H B21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 260 004 B1 (LENZ GARY A ET AL) 10 July 2001 (2001-07-10) column 19, line 64 - column 20, line 30 column 21, line 10 - line 45 column 25, line 52 - column 26, line 56 -----	1, 19
A	US 6 434 512 B1 (DISCENZO FREDERICK M) 13 August 2002 (2002-08-13) column 6, line 8 - line 47 column 9, line 44 - column 10, line 23; figures 1,4e-6d -----	1, 19
A	WO 03/016838 A (SIEMENS AG ; VOELKEL THOMAS (DE)) 27 February 2003 (2003-02-27) page 5, line 7 - page 6, line 31 page 8, line 11 - page 10, line 5; figures 1-6 ----- -/--	1, 19



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

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Date of the actual completion of the international search

24 November 2004

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02/12/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 523 701 A (SMITH STEPHEN F ET AL)  4 June 1996 (1996-06-04)  column 1, line 10 - line 18  column 3, line 55 - column 5, line 67;  figures 3-8</p> <p style="text-align: center;">-----</p>	1,19

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US 6434512	B1	13-08-2002	US 6196057 B1	06-03-2001
			US 6324899 B1	04-12-2001
			US 6295510 B1	25-09-2001
			US 6023961 A	15-02-2000
			US 6546785 B1	15-04-2003
			US 6286363 B1	11-09-2001
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			WO 03016838 A1	27-02-2003
			EP 1415132 A1	06-05-2004
			US 2004153268 A1	05-08-2004
US 5523701	A	04-06-1996	NONE	